

Steven Mathew

Email: ste.tho.mat@gmail.com

Website: steven-mathew.github.io/website

GitHub: [steven-mathew](https://github.com/steven-mathew)

👋 Hi, I'm a budding Computer Scientist
from Canada interested in building
meaningful connections.

SKILLS

Languages | Java, C++, Python, JavaScript

Web | HTML5, CSS3, Node.js, Express.js, Socket.io

Other | Git, Vim, Linux

EDUCATION

University of Toronto Expected Bachelor of Computer Science | *Jun 2023*

PROJECTS

argus. | github.com/steven-mathew/argus-accidents

Sep 2019 - present

- Built a real-time accident detection solution for live CCTV footage using machine learning and vision algorithms in Python, Node.js, Express.js and Socket.io
- Reports road accidents immediately to the web and phone via Socket.io and Twilio API to reduce response time for assistance accommodations

Google CSSI-Coursera | github.com/steven-mathew/Google-CSSI

Jun 2019 - Jul 2019

- Selected as a student of Google's Computer Science Summer Institute-Coursera program
- Completed an online course as part of (Advanced Algorithms and Complexity) Google's Data Structures and Algorithms curriculum
- Studied topics such as search problems, NP-completeness and LP

Othello/Reversi with A.I. | github.com/steven-mathew/Othello-JavaFX

Jan 2019

- Created a Java application that uses Minimax and Alpha-Beta Pruning for artificial intelligence to play Othello.
- Designed the heuristic function which calculates the utility value of a board position by assigning different weights to the corners-captured on any given board configuration.

Competitive Programming | github.com/steven-mathew/contest-problems

Feb 2018 - present

- Repository containing all my competitive programming solutions
- Covered topics on Graph Theory, DP, Data Structures, etc.

AWARDS

Canadian Computing Competition 2018 | Top **25%** of **3017** contestants

HackerRank's ProjectEuler+ Contest | Ranked **512** out of **97357**

Computer Science Award (Gr. 10, 11, & 12) | St. Edmund Campion SS

DM::OJ Competitive Online Judge Top 200 | dmoj.ca/user/indra